

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: NWWRP Compliance

Monitoring Period: 3/1/16 To: 4/30/16

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table 1, 40 CFR 503.13) Daily Maximum
Arsenic	27	41	75
Cadmium	< 2.1	39	85
Chromium	54	1200	3000
Copper	390	1500	4300
Lead	< 21	300	840
Mercury	0.65	17	57
Molybdenum	14	N/A**	75
Nickel	31	420	420
Nitrogen Concen	54800	N/A	N/A
Selenium	< 21	36	100
Zinc	810	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved

☐ Class A

☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option performed

☒ Option 1

☐ Option 2

☐ Option 3

☐ Option 4

☐ Option 5

☐ Option 6


☐ Option 7

☐ Option 8

☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed 4/18/16

Laboratory Sample ID: 160310007

DENALI_004557

**CITY OF MESA COMPLIANCE LABORATORY****640 NORTH MESA DRIVE MESA, ARIZONA 85211**

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cerwinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 160310007

CollectDate: 3/9/2016

Collection Time: 6:00:00 PM

Collector: L. Melendez

Sample Number: 16030397

ReceiveDate: 3/10/2016

Customer Sample#:

Project ID: NWWRP BIOSOLIDS

Site: NWWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	214	D2	7740 mg/Kg-dry	3/24/2016	PSERIA
Cyanide, Total	EPA 9014	1.7		4.3 mg/Kg-dry	3/23/2016	TAL
Arsenic, Total	EPA 6010B	21		27 mg/Kg-dry	3/16/2016	TAL
Cadmium, Total	EPA 6010B	2.1		< 2.1 mg/Kg-dry	3/16/2016	TAL
Chromium, Total	EPA 6010B	8.4		54 mg/Kg-dry	3/16/2016	TAL
Copper, Total	EPA 6010B	21		390 mg/Kg-dry	3/16/2016	TAL
Lead, Total	EPA 6010B	21		< 21 mg/Kg-dry	3/16/2016	TAL
Molybdenum, Total	EPA 6010B	8.4		14 mg/Kg-dry	3/16/2016	TAL
Nickel, Total	EPA 6010B	8.4		31 mg/Kg-dry	3/16/2016	TAL
Selenium, Total	EPA 6010B	21		< 21 mg/Kg-dry	3/16/2016	TAL
Silver, Total	EPA 6010B	10		< 10 mg/Kg-dry	3/16/2016	TAL
Zinc, Total	EPA 6010B	730	E4	810 mg/Kg-dry	3/18/2016	TAL
Mercury, Total	EPA 7471A	0.39		0.65 mg/Kg-dry	3/19/2016	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	4.3		< 4.3 mg/Kg-dry	3/22/2016	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	990		54800 mg/Kg-dry	3/22/2016	PSERIA
Nitrogen, Total	Calculation	990		54800 mg/Kg-dry	3/28/2016	TAL
Paint Filter	EPA 9095B			abs pres/abs	3/14/2016	PSERIA
Percent Moisture	SM2540G	0.1		76 %	3/11/2016	TAL
Percent Soil	SM2540G	0.1		23.5 %	3/11/2016	TAL
pH	EPA 9045D	1.68		8.48 S.U.	3/14/2016	PSERIA
Phosphate as P, Total	SM4500-P	4237	D2,M3,R1	32500 mg/Kg-dry	3/21/2016	PSERIA
Solids, Total	SM2540G	1		23.4 %	3/15/2016	KHALLA

QUALIFIERS

D2 Sample diluted due to high concentration.

E4 Analyte < MRL but > MDL, concentration estimated.

COMMENTS

E4 The reported MRL is the sub lab's MDL.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable. R1 RPD/RSD exceeded the method acceptance limit due to matrix.

REVIEWED BY:

Amy L. Czerwinski

Date Signed: 4/18/2016

OrderID: 160314009

CollectDate: 3/13/2016
Collection Time: 7:00:00 AM
Collector: L. Abril
Sample Number: 16030443

ReceiveDate: 3/14/2016
Customer Sample#: 031316-1
Project ID: NWWRP MTY SOLIDS
Site: NWWRP Digester 1

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Reduction%	Calculation	1		55.8 %	3/15/2016	KHALLA
Solids, Total	SM2540G	1		2.79 %	3/15/2016	KHALLA
Solids, Volatile Solids	SM2540G	1		60.9 %	3/15/2016	KHALLA

CollectDate: 3/13/2016
Collection Time: 7:00:00 AM
Collector: L. Abril
Sample Number: 16030444

ReceiveDate: 3/14/2016
Customer Sample#: 031316-2
Project ID: NWWRP MTY SOLIDS
Site: NWWRP Digester 2

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Reduction%	Calculation	1		55.9 %	3/15/2016	KHALLA
Solids, Total	SM2540G	1		2.85 %	3/15/2016	KHALLA
Solids, Volatile Solids	SM2540G	1		60.8 %	3/15/2016	KHALLA

CollectDate: 3/13/2016
Collection Time: 7:00:00 AM
Collector: L. Abril
Sample Number: 16030445

ReceiveDate: 3/14/2016
Customer Sample#: 031316-3
Project ID: NWWRP MTY SOLIDS
Site: NWWRP Thickened Sludge

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Solids, Total	SM2540G	1		5.58 %	3/15/2016	KHALLA
Solids, Volatile Solids	SM2540G	1		77.9 %	3/15/2016	KHALLA

QUALIFIERS

D2 Sample diluted due to high concentration.

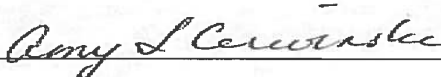
E4 Analyte<MRL but > MDL, concentration estimated.

COMMENTS

E4 The reported MRL is the sub lab's MDL.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable. R1 RPD/RSD exceeded the method acceptance limit due to matrix.

REVIEWED BY:



Date Signed: 4/18/2016



Order#	160314 009	Lab/Sample#	16030443-445
--------	------------	-------------	--------------

Project Name: Monthly Solids NWWRP

[illegible]

Sampled & Relinquished by:		Relinquished by:		Relinquished by:	
Signature: Louis R. Abril	Time: 1030	Signature: J. Lax	Time: 1245	Signature:	Time:
Printed Name: Louis R. Abril	Date: 3-14-16	Printed Name: J. Lax	Date: 3/14/16	Printed Name:	Date:
Company Name: C. O. M.	3-14-16	Company Name:		Company Name:	
Received by:		Received by:		Received by:	
Signature: J. Lax	Time: 1030	Signature:	Time:	Signature:	Time: 1245
Printed Name: J. Lax	Date: 3/14/16	Printed Name:	Date:	Printed Name:	Date: 3/14/16
Company Name:		Company Name:		Company Name:	